

LIGHT EMITTING DIODE ASSEMBLY FOR AN ILLUMINATED SIGN

ABSTRACT OF THE DISCLOSURE

The light emitting diode assembly for an illuminated sign discloses an enhanced waterproofs function and an enhanced durability. The light emitting diode assembly
5 includes a case being open upwards, in which a connecting recess is formed on upper portions of both sides of the case. A printed circuit board is installed in the case and being mounted on upper sides of a plurality of light emitting diodes. The hollow cap is coupled in the connecting recess of the case, in which a plurality of wires passes through the cap. A synthetic resin material for covering the printed circuit board, the cap and the
10 light emitting diode, the synthetic resin material being filled in the case. In this structure, the light emitting diode assembly can prevent the printed circuit board, transformer and the light emitting diode from being damaged by using an epoxy resin.